

**ENGINEERING SERVICES AGREEMENT BETWEEN
CITY OF APACHE JUNCTION AND NINYO & MOORE GEOTECHNICAL AND
ENVIRONMENTAL SCIENCES CONSULTANTS.
FOR ENGINEERING ON-CALL SERVICES PROJECT NO. RFQ PW 26-02**

THIS AGREEMENT is made as of the ____ day of _____ 20____ (the “Effective Date”) by and between the CITY OF APACHE JUNCTION, an Arizona municipal corporation (“City”), and NINYO & MOORE GEOTECHNICAL AND ENVIRONMENTAL SCIENCES CONSULTANTS., a California Corporation (“Consultant”), sometimes collectively referred to as the “Parties” or individually as a “Party” for the project entitled “PW 26-02 – ENGINEERING ON-CALL SERVICES”.

RECITALS

A. City desires to retain an engineer to assist in a comprehensive on-call geotechnical services and to make payment for the same in accordance with the terms and conditions set forth in this Agreement, including all attachments and addenda which are appended to it.

B. The open market procedures have been satisfied to the extent they apply.

C. The Parties have set forth below contemplated services Consultant will provide to City, including payment terms for such services and products.

AGREEMENT

NOW, THEREFORE, in consideration of the Recitals noted above, the mutual covenants and conditions below, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. **CONSULTANT’S DUTIES:** Consultant agrees to perform the professional services detailed in Exhibit A (the “Services”).

2. **COMPENSATION:** In accordance with Exhibit B and the terms and conditions of this Agreement, City shall compensate Consultant on a per-project basis for services in an amount not to exceed One Hundred Thousand Dollars and Zero Cents (\$100,000.00) (the “Contract Amount”).

3. **CONSULTANT BILLING:** Consultant shall invoice City on a time and expense basis in a total amount not to exceed the Contract Amount. City agrees to process for payment invoices received from Consultant within thirty (30) calendar days following receipt of such invoices, provided Consultant fulfills all

duties and obligations set forth in this Agreement. Review of invoices by City may include an inspection of the Services.

4. **TERM:** The term of this Agreement shall commence on July 1, 2026 and end on June 30, 2029. This Agreement may be renewed for up to two (2) additional years upon mutual written consent of the Parties, provided that any renewal shall be executed by an authorized signatory of the Parties and shall set forth in writing the renewed term of the Agreement and, if applicable, a specified dollar amount of additional payment to be owed by City to Consultant.

5. **CITY'S STANDARD OF PERFORMANCE:** City shall furnish Consultant with all data, information and other supporting services necessary for Consultant to perform the Services. City shall not be responsible for discovering deficiencies in the technical accuracy of the Services.

6. **CONSULTANT'S STANDARD OF PERFORMANCE:** The Services shall be performed by qualified professionals licensed in Arizona, selected and paid by Consultant and acting in the interest of the Consultant. While performing the Services, Consultant and its subcontractors shall exercise the reasonable professional care and skill customarily exercised by reputable members of Consultant's profession practicing in the Phoenix Metropolitan Area and shall use reasonable diligence and ~~best~~ judgment while exercising its professional skill and expertise. Consultant shall be responsible for all errors and omissions Consultant or its subcontractors commit in the performance of this Agreement. Consultant shall correct any deficiencies in the technical accuracy of the Services without additional compensation except to the extent such corrective action is directly attributable to deficiencies in any information provided by City.

7. **NOTICES:** All notices to a Party required under this Agreement shall be in writing and sent by first class certified mail, postage prepaid, return receipt requested, addressed to the following:

If to City: City of Apache Junction
 Emile Schmid
 Department of Public Works
 575 East Baseline Avenue
 Apache Junction, AZ 85119

If to Consultant: Ninyo & Moore geotechnical & Environmental
 Consultants
 3202 East Harbour Drive
 Phoenix, AZ 85034

8. INSURANCE:

8.1 General Provisions. Consultant, at its own expense, shall purchase and maintain during the Term the insurance required by this Agreement with companies duly licensed, possessing a current A.M. Best, Inc. Rating of B++6, or approved unlicensed in the State of Arizona with policies and forms satisfactory to City.

All insurance required by this Agreement shall be maintained in full force and effect until the Services are accepted by the City. Failure to do so may, at the sole discretion of City, constitute a material breach of this Agreement.

Consultant's insurance shall be primary insurance as respects the City, and any insurance or self-insurance maintained by City shall not contribute to it.

Any failure to comply with the claim reporting provisions of the insurance policies or any breach of an insurance policy warranty shall not affect coverage afforded under the insurance policies to protect City.

The insurance policies, except Workers' Compensation, shall contain a waiver of transfer rights of recovery (subrogation) against City, its agents, officers, officials and employees for any claims arising out of Consultant's acts, errors, mistakes, omissions, work or service.

The insurance policies may provide coverage which contains deductibles or self-insured retentions. Such deductible and/or self-insured retentions shall not be applicable with respect to the coverage provided to City under such policies. Consultant shall be solely responsible for the deductible and/or self retention and City, at its option, may require Consultant to secure payment of such deductibles or self-insured retentions by a surety bond or an irrevocable and unconditional letter of credit.

The insurance policies required by this Agreement, except Workers' Compensation and Professional Liability, shall name City, its elected officials, agents, officers, and employees as Additional Insured Parties.

Consultant shall expressly bind any subcontractors, or any other lower tier subcontractors, used in the performance of any aspect of the Services, to the insurance requirements in this Agreement, making such obligations applicable to the other subcontractor to the same extent as it is applicable to Consultant. The

purpose of this provision is to require any lower tier subcontractor, regardless of level, to provide insurance and indemnity required by this Agreement.

8.2 Commercial General Liability. Consultant shall maintain throughout the Term Commercial General Liability insurance with a limit of not less than \$1,000,000 for each occurrence with a \$2,000,000 Products/Completed Operations Aggregate and a \$2,000,000 General Aggregate limit. The policy shall include coverage for bodily injury, broad form property damage, personal injury, products and completed operations and blanket contractual coverage including, but not limited to, the liability assumed under the indemnification provisions of this Agreement, which coverage will be at least as broad as that on Insurance Service Office, Inc. Policy Form No. CG 00011093, or the equivalent thereof.

Such policies shall contain a severability of interest provision and shall not contain a sunset provision or commutation clause, nor any provision which would serve to limit third party action over claims.

The Commercial General Liability additional insured endorsement shall be at least as broad as the Insurance Service Office, Inc.'s Additional Insured, Form B, CG 20101185, or the equivalent thereof, and shall include coverage for Consultant's operations and products and completed operations.

If Consultant sublets any part of the Services, Consultant shall purchase and maintain, at all times during prosecution of the Services an Owner and Contractor's Protective Liability insurance policy for bodily injury and property damage, including death, which may arise in the prosecution of the Services. Coverage shall be on an occurrence basis with a limit of not less than \$2,000,000 per occurrence, and the policy shall be issued by the same insurance company that issues Consultant's Commercial General Liability insurance.

8.3 Automobile Liability. Consultant shall maintain Commercial/Business Automobile Liability insurance with a combined single limit for bodily injury and property damage of not less than \$1,000,000 each occurrence with respect to Consultant's owned, hired, and non-owned vehicles assigned to or used in performance of the Services. Coverage will be at least as broad as coverage code 1, "any auto", (Insurance Service Office, Inc. Policy Form CA 00011293, or the equivalent thereof). Such insurance shall include coverage for loading and off-loading hazards. If hazardous substances, materials or wastes are to be transported, federal mandatory motor carrier safety ("MCS") 90 endorsement shall be included and \$5,000,000 per accident limits for bodily injury and property damage shall apply.

8.4 Workers' Compensation. Consultant shall carry Workers' Compensation insurance to cover obligations imposed by federal and state statutes having jurisdiction over Consultant's employees engaged in the performance of the Services; and Employer's Liability insurance of not less than \$100,000 for each accident, \$100,000 disease for each employee, and \$500,000 disease policy limit.

By execution of this Agreement, Consultant certifies as follows:

"I am aware and understand the provisions of A.R.S. § 23-901 *et seq.* which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of this chapter, and I will comply with such provisions before commencing the performance of the Services of this Agreement."

If Consultant has no employees for whom Workers' Compensation insurance is required by federal or state statutes, Consultant shall submit a declaration or affidavit to City so stating and covenanting to obtain such insurance if and when Consultant employs any employees subject to coverage.

8.5 Professional Liability. Consultant shall maintain Professional Liability insurance covering acts, errors, mistakes and omissions arising out of the work or services performed by Consultant, or any person employed by Consultant, with a limit of not less than \$1,000,000 each claim.

8.6 Certificates of Insurance. Prior to commencing the Services, Consultant shall furnish City with Certificates of Insurance, or formal endorsements as required by the Agreement, issued by Consultant's insurer(s), as evidence that policies providing the required coverages, conditions and limits required by this Agreement are in full force and effect. City shall not be obligated, however, to review same or to advise Consultant of any deficiencies in such policies and endorsements, and such receipt shall not relieve Consultant from, or be deemed a waiver of, City's right to insist on strict fulfillment of Consultant's obligations under this Agreement.

The form of the certificates of insurance and endorsements shall be subject to the approval of the Apache Junction City Attorney's Office, shall comply with the terms of this Agreement. Policies or certificates and completed forms of City's Additional Insured Endorsement (or a substantially equivalent insurance company form acceptable to the City Attorney) evidencing the coverage required by this Agreement shall be delivered to City Attorney, City of Apache Junction, 300 East Superstition Boulevard, Apache Junction, AZ 85119. The policy or

policies shall be in the usual form of public liability insurance, but shall also include the following provision:

“Solely as respects work done by or on behalf of the named insured for the City of Apache Junction, it is agreed that the City of Apache Junction and its elected officials, officers, agents and employees are added as additional insured parties under this policy.”

In the event any insurance policies required by this Agreement are written on a “claims made” basis, coverage shall extend for two (2) years past completion and acceptance of Consultant’s work or services and as evidenced by annual Certificates of Insurance.

Consultant shall require its insurers to provide City thirty (30) calendar days’ prior written notice of any nonrenewal, cancellation, or material change in the coverage under such policy reducing coverage to below the amounts required by this Agreement. If a policy does expire during the life of the Agreement, a renewal certificate must be sent to City thirty (30) calendar days prior to the expiration date.

9. **APPLICABLE LAW AND VENUE:** The terms and conditions of this Agreement shall be governed by and interpreted in accordance with the laws of the State of Arizona. Any action at law or in equity brought by either Party for the purpose of enforcing a right or rights provided for in this Agreement, shall be tried in a court of competent jurisdiction in Pinal County, State of Arizona. The Parties hereby waive all provisions of law providing for a change of venue in such proceeding to any other county. In the event either Party shall bring suit to enforce any term of this Agreement or to recover any damages for and on account of the breach of any term or condition in this Agreement, it is mutually agreed that the prevailing party in such action shall recover all costs including: all litigation and appeal expenses, collection expenses, reasonable attorney fees, necessary witness fees and court costs to be determined by the court in such action.

10. **FORCE MAJEURE:** Neither City nor Consultant, as the case may be, shall be considered not to have performed its obligations under this Agreement in the event of enforced delay (an “Enforced Delay”) due to causes beyond its control and without its fault or negligence or failure to comply with applicable laws, including, but not restricted to, acts of God, fires, floods, epidemics, pandemics and related executive orders, quarantines, restrictions, embargoes, labor disputes, and unusually severe weather or the delays of subcontractors or materialmen due to such causes, acts of a public enemy, war, terrorism or act of terror (including but not limited to bio-terrorism or eco-terrorism), nuclear radiation, blockade, insurrection, riot, labor strike or interruption, extortion,

sabotage, or similar occurrence or any exercise of the power of eminent domain of any governmental body on behalf of any public entity, or a declaration of moratorium or similar hiatus (whether permanent or temporary) by any public entity directly affecting the obligations under this Agreement. In no event will Enforced Delay include any delay resulting from unavailability for any reason of labor shortages, or the unavailability for any reason of particular contractors, consultants, subcontractors, vendors or investors desired by Consultant in connection with the obligations under this Agreement. Consultant agrees that Consultant alone will bear all risks of delay which are not Enforced Delay. In the event of the occurrence of any such Enforced Delay, the time or times for performance of the obligations of the Party claiming delay shall be extended for a period of the Enforced Delay; provided, however, that the Party seeking the benefit of the provisions of this Section 10 shall, within thirty (30) calendar days after such Party knows or should know of any such Enforced Delay, first notify the other Party of the specific delay in writing and claim the right to an extension for the period of the Enforced Delay; and provided further that in no event shall a period of Enforced Delay exceed ninety (90) calendar days.

11. **TERMINATION:** This Agreement may be terminated by either Party for any reason upon thirty (30) days written notice. If this Agreement is terminated, City shall be reimbursed from Consultant the amount paid for any undelivered and/or unaccepted products or services. City shall pay Consultant for completed and acceptable work performed pursuant to this Agreement prior to the date of termination.

12. **INDEMNIFICATION:** To the fullest extent permitted by law, Consultant shall defend, indemnify and hold harmless City, its elected officials and appointed officers, special districts, agents, and employees from and against any and all liability including but not limited to demands, claims, actions, fees, costs and expenses, including reasonable attorney and expert witness fees, arising from, or alleged to have arisen from, relating to, arising out of, or alleged to have resulted from the acts, errors, mistakes, omissions, work or services of Consultant, its agents, employees, or any tier of Consultant's subcontractors in the performance of this Agreement, but only to the extent caused by the negligence, recklessness or intentional wrongful conduct of Consultant or its subcontractors in the performance of the Services under this Agreement or any subcontract. Consultant's duty to defend, hold harmless and indemnify City, its elected officials and appointed officers, special districts, agents, and employees shall arise in connection with any claim, damage, loss or expense that is attributable to bodily injury, sickness, disease, death, or injury to, impairment, or destruction of property including loss of use resulting therefrom, caused by an Consultant's acts, errors, mistakes, omissions, Services or services in the performance of this Agreement including any employee of Consultant, any tier of Consultant's subcontractor or any other person for whose acts, errors, mistakes, omissions, services or work Consultant may be legally liable, but only to the extent caused by the negligence, recklessness or intentional wrongful conduct of

Consultant or any tier of Consultant's subcontractors or any other person for whose acts, errors, mistakes, omissions, services or work Consultant may be legally liable in the performance of the Services under this Agreement or any subcontract. The amount and type of insurance coverage requirements set forth in this Agreement will in no way be construed as limiting the scope of the indemnity in this Section 12. The rights and obligations under this Section 12 shall survive expiration or termination of this Agreement.

13. **TAXES:** Consultant shall pay as they become due all license, sales, consumer, transaction privilege, use and other similar taxes for services provided by Consultant which are legally enacted at the time the obligations under this Agreement are performed.

14. **PERMITS AND FEES:** Unless otherwise provided in this Agreement, Consultant shall secure and pay for all applicable permits, government fees, licenses and inspections necessary for the proper execution and completion of services which are customarily secured after execution of the Agreement. Consultant shall give all notices and comply with all laws, ordinances, rules, regulations and lawful orders of any public authority bearing on the performance of the Services. Consultant represents and warrants that any license necessary to perform the Services is current and valid. Consultant understands that the activity described in this Agreement constitutes "doing business in the City of Apache Junction" and Consultant agrees to obtain a business license pursuant to Chapter 8 of the Apache Junction City Code, Vol. I, and keep such license current during the Term. Consultant also acknowledges that the tax provision of the Apache Junction Tax Code, Chapter 8A, may also apply and if so, shall obtain a transaction privilege license and/or other licenses as may be required by all applicable laws.

15. **RECORDS:** Records of Consultant's labor, payroll, and other costs pertaining to this Agreement shall be kept on a generally recognized accounting basis and made available to City for inspection on request. Consultant shall maintain records for a period of at least two (2) years after expiration of this Agreement, and shall make such records available during that retention period for examination or audit by City personnel during regular business hours.

16. **RIGHT OF CITY TO CONTRACT WITH OTHERS:** Nothing in this Agreement shall imply City is obligated to obtain the Services described in this Agreement only through Consultant.

17. **INDEPENDENT CONTRACTOR:** City and Consultant agree and understand that the relationship between both Parties is that of an independent contractor. As such, Consultant is not entitled to receive any benefits to which City employees are entitled by virtue of their employment with City. City shall not be responsible for payment to employees of Consultant for salaries, related taxes (including, but not limited to, federal Social Security tax as well as federal and

state unemployment taxes) and all other expenses related to their employment or contractual relationship with Consultant.

18. WAIVER OF TERMS AND CONDITIONS: The failure of City or Consultant to insist in any one or more instances on performance of any of the terms or conditions of this Agreement or to exercise any right or privilege contained herein shall not be considered as thereafter waiving such terms, conditions, rights or privileges, and they shall remain in full force and effect.

19. COMPLIANCE WITH FEDERAL AND STATE LAWS: Consultant understands and acknowledges the applicability of the American with Disabilities Act, the Immigration Reform and Control Act of 1986 and the Drug Free Workplace Act of 1989 to the services performed under this Agreement.

As required by A.R.S. § 41-4401, Consultant hereby warrants its compliance with all federal immigration laws and regulations that relate to its employees and A.R.S. § 23-214(A). Consultant further warrants that after hiring an employee, Consultant will verify the employment eligibility of the employee through the E-Verify program. If Consultant uses any subcontractors in performance of services, subcontractors shall warrant their compliance with all federal immigration laws and regulations that relate to its employees and A.R.S. § 23-214(A), and subcontractors shall further warrant that after hiring an employee, such subcontractor verifies the employment eligibility of the employee through the E-Verify program. A breach of this warranty shall be deemed a material breach of the Agreement that is subject to penalties up to and including termination of this Agreement. Consultant is subject to a penalty of \$100 per day for the first violation, \$500 per day for the second violation, and \$1,000 per day for the third violation. City at its option may terminate this Agreement after the third violation. Consultant shall not be deemed in material breach of this Agreement if the Consultant and/or subcontractors establish compliance with the employment verification provisions of Sections 274A and 274B of the federal Immigration and Nationality Act and the E-Verify requirements contained in A.R.S. § 23-214(A). City retains the legal right to inspect the papers of any Consultant or subcontractor employee who works under this Agreement to ensure that the Consultant or subcontractor is complying with the warranty. Any inspection will be conducted after reasonable notice and at reasonable times. If state law is amended, the Parties may modify this paragraph consistent with state law without effectuating an official amendment to this Agreement. Email notification of the modification would be sufficient notice.

20. ENTIRE AGREEMENT: This Agreement and any attachments represent the entire agreement between City and Consultant and supersede all prior negotiations, representations or agreements, either express or implied, written or oral. It is mutually understood and agreed that no alteration or variation of the terms and conditions of this Agreement shall be valid unless made in writing and signed by the Parties. Written and signed amendments shall automatically

become part of this Agreement, and shall supersede any inconsistent provision therein; provided, however, that any apparent inconsistency shall be resolved, if possible, by construing the provisions as mutually complementary and supplementary.

21. **BINDING EFFECT, ASSIGNMENT AND DELEGATION:** City and Consultant each bind themselves, their partners, successors, assigns and legal representatives to the other Party and to the partners, successors, assigns and legal representatives of such other Party in respect to all covenants, agreements and obligations contained in this Agreement. Neither Party shall assign the Agreement or sublet it as a whole or delegate the duties under this Agreement, without the written consent of the other Party, nor shall Consultant assign any monies due or to become due to it without the previous written consent of City.

22. **SEVERABILITY:** City and Consultant each believe that the execution, delivery and performance of this Agreement are in compliance with all applicable laws. However, in the unlikely event that any provision of this Agreement is declared void or unenforceable (or is construed as requiring City to do any act in violation of any applicable laws, including any constitutional provision, law, regulation, or City Code), such provision shall be deemed severed from this Agreement and this Agreement shall otherwise remain in full force and effect; provided that this Agreement shall retroactively be deemed reformed to the extent reasonably possible in such a manner so that the reformed agreement (and any related agreements effective as of the same date) provide essentially the same rights and benefits (economic and otherwise) to the Parties as if such severance and reformation were not required. Unless prohibited by applicable laws, the Parties further shall perform all acts and execute, acknowledge and/or deliver all amendments, instruments and consents necessary to accomplish and to give effect to the purposes of this Agreement, as reformed.

23. **ACCURACY OF WORK:** Acceptance of services or work by City shall not relieve Consultant of the responsibility for subsequent correction of any such errors and the clarification of any ambiguities. Consultant shall make all necessary revisions or corrections resulting from errors and omissions on the part of Consultant without additional compensation.

24. **OWNERSHIP OF WORK PRODUCT.** All documents or other work product generated on behalf of City in connection with this Agreement are property of City. Any use or reuse of the documents or work product created by Consultant for projects they were not intended and/or without the professional involvement of Consultant shall be at City's sole risk and without liability to Consultant.

25. **CONFIDENTIALITY.** All information received in the performance of the Services shall be considered nonpublic and confidential. Consultant agrees

that neither it nor its contractors, agents or representatives shall communicate, whether in writing or verbally, any information concerning the Services except in strict compliance with the terms and conditions of an express authorization by the City Attorney. This confidentiality provision shall not apply to communication by Consultant with its subcontractors for the purposes of performing the Services under this Agreement.

26. **TIME IS OF THE ESSENCE:** Time is of the essence with respect to all provisions in this Agreement. Any delay in performance by either Party shall constitute a material breach of this Agreement.

27. **PROHIBITION TO CONTRACT WITH CONSULTANTS WHO ENGAGE IN BOYCOTT OF THE STATE OF ISRAEL:** The Parties acknowledge A.R.S. §§ 35-393 through 35-393.03, as amended, which forbids public entities from contracting with Consultants who engage in boycotts of the State of Israel. Should Consultant engage in any such boycott against the State of Israel, this Agreement shall be deemed automatically terminated by operation of law. Any such boycott is a material breach of this Agreement.

28. **PROHIBITED USE OF FORCED LABOR:** In accordance with A.R.S. § 35-394, Consultant hereby certifies and agrees that Consultant does not currently and shall not for the duration of this Agreement use: (1) the forced labor of ethnic Uyghurs in the People's Republic of China, (2) any services or goods produced by the forced labor of ethnic Uyghurs in the People's Republic of China, and/or (3) any suppliers, contractors or subcontractors that use the forced labor or any services or goods produced by the forced labor of ethnic Uyghurs in the People's Republic of China. If Consultant becomes aware during the Term that Consultant is not in compliance with this Section 28, then Consultant shall notify the City within five (5) business days after becoming aware of such noncompliance. If Consultant does not provide the City with written certification that Consultant has remedied such noncompliance within ninety (90) calendar days after notifying the City of such noncompliance, this Agreement shall terminate, except that if the Agreement termination date occurs before the end of such ninety (90) day remedy period, this Agreement shall terminate automatically.

29. **CONFLICTS OF INTEREST:** This Agreement is subject to, and may be terminated by City in accordance with, the provisions of A.R.S. § 38-511.

30. **ORDER OF PRECEDENCE.** Should there be any discrepancy or inconsistency between the terms and conditions of this Agreement and any terms and conditions in any exhibit to this Agreement, the terms and conditions of this Agreement shall control and prevail.

[Signatures on next page]

IN WITNESS WHEREOF, Consultant and City have executed this Agreement as of the date first set forth above.

CONSULTANT:

NINYO & MOORE GEOTECHNICAL AND
ENVIRONMENTAL SCIENCES
CONSULTANTS, an Arizona corporation

Steven D. Nowaczyk

By: Steven D. Nowaczyk

Its: Principal Engineer

CITY:

CITY OF APACHE JUNCTION, ARIZONA, an
Arizona municipal corporation

By: Walter "Chip" Wilson

Its: Mayor

ATTEST:

Evie McKinney
City Clerk

APPROVED AS TO FORM:

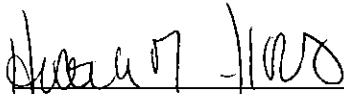
 6-18-26

R. Joel Stern
City Attorney

STATE OF Arizona)
) ss.
COUNTY OF Maricopa)

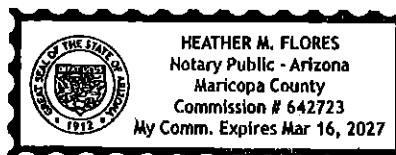
The foregoing was subscribed and sworn to before me this 16th day
of June, 2026, by Steven D. Nowaczyk, PE as Principal Engineer of
~~[Company Name]~~, an ~~Arizona~~ California ~~corporation/limited liability company~~].

NINYO & MOORE GEOTECHNICAL AND
ENVIRONMENTAL SCIENCES


Notary Public

My Commission Expires:

March 16, 2027



STATE OF ARIZONA)
) ss.
COUNTY OF PINAL)

The foregoing was subscribed and sworn to before me this ____ day
of _____, 20____, by Walter "Chip" Wilson, as Mayor of the City of
Apache Junction, Arizona, an Arizona municipal corporation.

Notary Public

My Commission Expires:

EXHIBIT A
SCOPE OF WORK

General Scope of Services:

The scopes of work for any on-call projects may include design, specification review, and other miscellaneous services for the following not-to-exceed contract limit service areas listed below per project. A detailed description of each Service Area is provided below.

Service Area 3: Geotechnical Engineering Services

Contract Limit: \$100,000 per project

EXHIBIT B
FEE SCHEDULE

Schedule of Fees

Hourly Charges for Personnel

Professional Staff

Principal Engineer/Geologist/Environmental Scientist/Certified Industrial Hygienist	\$ 195
Senior Engineer/Geologist/Environmental Scientist	\$ 175
Senior Project Engineer/Geologist/Environmental Scientist	\$ 165
Project Engineer/Geologist/Environmental Scientist	\$ 150
Senior Staff Engineer/Geologist/Environmental Scientist	\$ 140
Staff Engineer/Geologist/Environmental Scientist	\$ 130
GIS Analyst	\$ 90
Technical Illustrator/CAD Operator	\$ 80

Field Staff

Field Operations Manager	\$ 120
Nondestructive Examination Technician (UT, MT, LP)	\$ 115
Special Inspector (Structural Steel, Welding, Wood, Concrete, Masonry, Epoxy, and Fireproofing)	\$ 110
Senior Technician	\$ 90
Technician	\$ 75

Administrative Staff

Geotechnical/Environmental/Laboratory Assistant	\$ 70
Information Specialist	\$ 70
Data Processor	\$ 70

Other Charges

Concrete and Asphalt Coring Equipment (includes technician)	\$ 220/hr
Anchor Load Test Equipment (includes technician)	\$ 220/hr
GPR Equipment	\$ 180/hr
Inclinometer	\$ 100/hr
Hand Auger Equipment	\$ 80/hr
Rebar Locator (Pachometer)	\$ 25/hr
X-Ray Fluorescence	\$ 70/hr
PID/FID	\$ 25/hr
Air Sampling Pump	\$ 10/hr
Vapor Emission Kit	\$ 75/kit
Same Day Schedule Fee (Calling after 3 pm day before or same day)	\$ 250/ea
Equipment Usage	\$ 15/hr
Field Vehicle Usage	\$ 15/hr
Equipment	\$ 15/hr
Expert Witness Testimony	\$ 500/hr
Direct Expenses	Cost plus 15 %
Special equipment charges will be provided upon request.	

Notes

Technicians and special inspectors, are charged at a 4-hour minimum, and 8-hour minimum for hours exceeding 4 hours. Overtime rates at 1.5 times the regular rates will be charged for work performed in excess of 8 hours in one day Monday through Friday and all day on Saturday. Rates at twice the regular rates will be charged for all work in excess of 12 hours in one day, all day Sunday and on holidays.

The terms and conditions are included in Ninyo & Moore's Work Authorization and Agreement form.

Schedule of Fees for Laboratory Testing

SOILS

Atterberg Limits, D 4318, T 89, T90, (Wet Prep add \$30)	\$ 110
California Bearing Ratio (CBR), D 1883	\$ 470
Chloride and Sulfate Content, ARIZ 733, 736	\$ 120
Clay Expansion, FHA Swell	\$ 130
Consolidation, D 2435, T 216-94	\$ 300
Crumb Test Dispersion Test, D 4647	\$ 80
Direct Shear, D 3080, T236, (Remolded add \$100)	\$ 350
Expansion Index, D 4829, UBC 18-2	\$ 140
Expansion Potential (Method A), D 4546	\$ 130
Hydraulic Conductivity, D 5084	\$ 325
Hydrometer Analysis, D 7928, T 88-93	\$ 200
Double Hydrometer Analysis, D 4221, T 88	\$ 400
Lime Determination, pH Method, D 62765	\$ 210
Standard Proctor Density, D 698	\$ 175
Standard Proctor Density Treated Soils, D 698	\$ 200
Modified Proctor Density, D 1557, T 180-93, T 99-94	\$ 240
Miller Box Resistivity	\$ 70
Moisture, Ash, & Organic Matter of Peat/Organic Soils	\$ 110
Moisture Only, D 2216, T 265	\$ 30
Moisture and Density, D 2937	\$ 45
Permeability, CH, D 2434, T 215	\$ 250
pH and Resistivity, ARIZ 236 c	\$ 110
Pinhole Dispersion Test, D 4647	\$ 250
R-value, D 2844, T 190	\$ 350
Sand Equivalent, D 2419, T 176	\$ 140
Sieve Analysis, D 6913	\$ 90
Sieve Analysis, C-136 (includes 200 wash), D 6913, D 1140	\$ 150
Solubility	\$ 80
Specific Gravity, D 854, T 100-93	\$ 120
Sulfate & Chloride Content	\$ 100
Swell Test, D 4546	\$ 290
Thermal Resistivity (ASTM 5334, IEEE 442)	\$ 875
Triaxial Shear, U.U., D 2850 per point	\$ 280
Triaxial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt	\$ 350
Triaxial Shear, C.D, D 4767, T 297 per pt	\$ 425
Unconfined Compression, D 2166, T 208	\$ 185

MASONRY

Brick Absorption, C 67	\$ 70
Brick Compression, C 67	\$ 30
Brick Moisture, C 67	\$ 30
CMU Block Compression Test, 8x8x16, C 140	\$ 75
CMU Block Moisture Content, C 140	\$ 70
Core Compression	\$ 40
Concrete Block Linear Shrinkage, C 426	\$ 150
Grout Prisms Compressive Strength, C 1019	\$ 40
Masonry Grout, 4x4x8 prism compression, UBC 21-18	\$ 25
Masonry Mortar, 2x4 cylinder compression, UBC 21-16	\$ 25
Masonry Prism, half size, compression, UBC 21-17	\$ 120
Mortar Cubes Compressive Strength, C 109	\$ 40

REINFORCING AND STRUCTURAL STEEL

Chemical Analysis, A-36, A615	\$ 150
Fireproofing Density Test, UBC 7-6	\$ 90
Hardness Test, Rockwell, A-370	\$ 80
High Strength Bolt, Nut & Washer Conformance, set, A-325	\$ 150
Mechanically Spliced Reinforcing Tensile Test, ACI	\$ 175
Pre-Stress Strand (7 wire), A 416	\$ 170
Reinforcing Tensile or Bend up to No. 11, A 615 & A 706	\$ 85
Structural Steel Tensile Test: Up to 200,000 lbs., A 370	\$ 100
Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI	\$ 90

CONCRETE

Concrete Core Absorption ASTM C 497 Method A	\$ 85
Concrete Core Compressive Strength, C 42, T 24-93	\$ 90
Concrete Coring Minimum Charge	\$ 300
Concrete Laboratory Mix Verification, excluding cylinders	\$ 300
Concrete Mix Design	\$ 2,500
Compression Tests, 4x8 Cylinder, C 39, T 22-92	\$ 25
Compression Tests, 6x12 Cylinder, C 39, T 22-92	\$ 30
Drying Shrinkage, C 157	\$ 300
Flexural Test, C 78	\$ 100
Gunite/Shotcrete, Panels, 3 cut cores per panel and test, ACI	\$ 220
Lightweight Concrete Fill Compression, C 495	\$ 50
Measurement of Concrete Cores, ASTM C 174	\$ 20
Rapid Chloride Permeability, C 1202	\$ 425
Splitting Tensile Strength, C 496	\$ 95
Time of Setting of Cement by Vicat Needle, C 191	\$ 270

ASPHALT

Asphalt Mix Design Review	\$ 400
Asphalt Mix Design, 5 points, Tex	\$ 1,900
Asphalt Content/Gradation (Ignition Oven), T 308, D 6307	\$ 250
Bulk Density Lab Molded Samples, Tex 207F (per set)	\$ 60
Bulk Specific Gravity per specimen (non-absorptive), D 2726	\$ 60
Bulk Specific Gravity per specimen (coated), D 1188	\$ 60
Compressive Strength of Hot Mix Asphalt, T 167	\$ 300
Extraction, % Asphalt, including Gradation, D 2172, T 164-94 T 30-93, Tex 210F	\$ 250
Hveem Stability and Unit Weight CTM or ASTM, CT 366	\$ 100
Hveem Stability, Tex 208F (per set)	\$ 90
Marshall Stability, Flow and Unit Weight, (set of 3) T 245-94	\$ 230
Marshall Mix Design	\$ 4,000
Maximum Theoretical Unit Weight, D 2041, CT 309, Tex 227F	\$ 135
Marshall Unit Weight, (set of 3) T 245-94	\$ 125
Tensile Strength Ratio D 4867, T283	\$ 400
Gyratory Unit Weight	\$ 200
SuperPave Mix Design	\$ 6,000

AGGREGATES

Absorption, Coarse, C 127	\$ 90
Absorption, Fine, C 128	\$ 90
Alkali Reactivity, C 1260	\$ 825
Alkali-Silica Reactivity, C 1567	\$ 825
Clay Lumps and Friable Particles, C 142	\$ 105
Fractured Faces, NDOT, T 2303, ARIZ 212e	\$ 155
Los Angeles Abrasion, C 131 or C 535	\$ 220
Moisture, C 566, T 255-92	\$ 30
Mortar make properties of fine aggregate, C 87	\$ 330
Organic Impurities, C 40	\$ 100
Sand Equivalent, D 2419, T 176	\$ 100
Sieve Analysis, Coarse Aggregate, C 136	\$ 120
Sieve Analysis, Fine Aggregate (included wash), C 136	\$ 120
Sodium Sulfate Soundness (per size fraction), C 88	\$ 350
Specific Gravity, Coarse, C 127	\$ 150
Specific Gravity, Fine, C 128	\$ 150
Unit Weight C 29, T 19	\$ 80

Special preparation of standard test specimens will be charged at the technician's hourly rate.

Ninyo & Moore is accredited to perform the AASHTO equivalent of many ASTM test procedures.